



PRAIRIE VIEW A&M UNIVERSITY

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Prairie View A&M University Energy Management Report

October 2017



A. The following are the steps taken for PVAMU in regards to energy reduction measures for its usage of electricity, gasoline and natural gas.

Prairie View A&M University is committed to energy conservation. PVAMU has shown positive reductions in energy consumption by embarking on an aggressive heating and cooling scheduling program to allow the HVAC systems to turn off when buildings are not in use.

Utility consumption building profiles are generated and reviewed weekly to ensure buildings are operating as designed. And, monthly campus utility consumption and costs are reviewed to ensure energy conservation initiatives are obtaining expected results. Energy conservation initiatives have reduced the campus source Energy Use Index (EUI) from 216.8 mBtu per square foot in December 2014 to 197.9 mBtu per square foot in August 2017 for an 8.7% reduction in energy usage per square foot.

B. Additional measures PVAMU have taken to reduce energy expenditures relating to facilities:

- PVAMU is very aggressive in implementing programs that lead to energy reduction. PVAMU has entered into an energy performance contract with Ameresco. The energy performance contract is expected to reduce energy costs by \$814,000 annually.
- A new contract with the College of Nursing and Northwest Houston Center electrical provider going into effect in September 2017 will lower base line electrical costs by 22%.

C. Future ideas for PVAMU for energy reduction are as follows:

- PVAMU entered into an agreement to complete a utilities master plan that will help identify utility and energy conservation opportunities.
- Future building construction at PVAMU will have a primary emphasis on energy efficiency throughout planning and construction.

D. PVAMU's ideas to minimize gasoline fuel usages over the next five years:

- Reduce fleet vehicles - retiring old ones and upgrading to more economical vehicles when applicable.
- Reducing fleet size where available.
- Increasing preventive maintenance on golf carts and vehicles to ensure proper operation and improve efficiency.

	Gasoline (Gallons)	Diesel (Gallons)
FY16	31,457	15,627
FY17	30,976	17,722
% Increase (Decrease)	(1.5%)	13.4%